

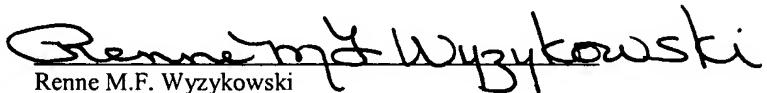


PATENT

Date of Notice  
of Allowance: July 12, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Renne M.F. Wyzykowski

Applicant	:	Atsuki Inoue	Confirmation No. 2407
Application No.	:	10/061,379	
Filed	:	February 1, 2002	
Title	:	REDUCED SWING CHARGE RECYCLING CIRCUIT ARRANGEMENT AND ADDER INCLUDING THE SAME	
Grp./Div.	:	2819	
Examiner	:	Daniel D. Chang	
Customer No.	:	23363	
Docket No.	:	47835/DMC/F179	

COMMENTS ON REASONS FOR ALLOWANCE

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
August 12, 2004

Commissioner:

The Examiner's Statement Of Reasons For Allowance indicates that Yoshioka, taken alone or in combination of other references, does not teach or fairly suggest a low swing charge recycling circuit comprising, among other things, a static driver including a PMOS transistor and an NMOS transistor which are coupled in series between at least one of (i) a power supply and an output terminal and (ii) a ground and the output terminal (claims 1 and 4); a pass gate network configured to receive the complementary carry input signals, the complementary generate signals and propagate signals and being controlled by the propagate signals to produce a sum signal by applying XOR operation to the complementary carry input signals with the propagate signals; an equalization circuit and a latch circuit (claim 5 and 6); and a voltage swing level of the static

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driver changes in at least one of (i) from ground level to Vdd-Vth and (ii) from Vth to Vdd (claim 8), as set forth in the claims.

Applicants believe that the Examiner's Statement of Reasons for Allowance, in view of the record of prosecution as a whole, does not fully describe various reasons for allowance of the claims. Moreover, Applicants believe that the record of the prosecution as a whole provides sufficient clarity, explicitly and implicitly, as to reason for allowance of claims, and does so in a more contextual and thorough fashion than the Statement of Reasons for Allowance. While applicant agrees that the claims are allowable, applicant does not necessarily acquiesce with each statement in the reasons for allowance, that patentability requires each stated feature exactly as expressed by the Examiner, nor that each stated feature is required for patentability.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

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DMC/rmw

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